

## Abstract

The invention relates to a method for determining a measuring point in time ( $t_M$ ), at which a measured value is to be produced by a field device (1) of process automation technology, wherein the field device (1) communicates its measured values at certain communication points in time ( $t_K$ ) over a field bus following a query from a central control unit with regard to the measured values of the field device. The invention provides that the following communication point in time ( $t_f$ ) is approximated from at least two communication points in time ( $t_K$ ,  $t'_K$ ) and that the measuring point in time ( $t_M$ ) is determined on the basis of the approximated communication point in time ( $t_f$ ). Additionally, the invention relates to a corresponding apparatus.

(Fig. 2)